

KRYLOV, G.V., kandidat biologicheskikh nauk.

Let's preserve and increase the forest wealth of Siberia. Priroda
46 no.3:3-10 Mr '57. (MLRA 10:3)

1. Zapadno-Sibirskiy filial Akademii nauk SSSR (Novosibirsk).
(Siberia, Western—Forests and forestry)

KRYLOV, G.V.; LAMIN, L.A.

Second conference on scientific and practical problems in the
improvement of the Siberian forest management. Izv. Sib. otd.
AN SSSR no.1:150-152 '58. (MIRA 11:8)
(Siberia--Forest management)

26-50-7-35/48

AUTHOR: Krylov, G.V.

TITLE: Scientific Explorations in Siberia (Nauchnyye issledovaniya v Sibiri)

PERIODICAL: Priroda, 1958, Nr 7, pp 114-115 (USSR)

ABSTRACT: The XIIth Session of the Zapadno-Sibirskiy filial AN SSSR (West-Siberian Branch of the AS USSR) took place in Novosibirsk from 17 to 20 March 1958. Delegates from other important Soviet scientific centers attended the session. A total of 190 papers were delivered, of which over 50 served practical purposes. Professor T.F. Gorbachev, President of the Presidium of the West-Siberian Branch of the AS USSR and Vice-President of the Organization Committee of the Siberian Department of the AN USSR, evaluated the research results of the over 800 scientific workers of the institute, outlined the 1959 to 1965 plan assignments to the institute, and commented on the establishment of the new large scientific center in the east of the country, the Sibirskoye otdeleniye AN SSSR (Siberian Department of the AS USSR). In the section for complex explorations of the water reservoir of the Novosibirskaya GES (Novosibirsk Hydroelectric Station), S.G. Beyrom and V.M. Samochkin spoke on the na-

Card 1/2

Scientific Explorations in Siberia

26-58-7-35/48

tural factors of the changes of the reservoir's banks. L.A. Lamin sketched the scientific bases of bank-preserving forest plantations. Professor V.V. Reverdatto discussed relics of the flora of Central Siberia from the Glacial period. A.V. Kuminova commented on the ecological composition of the flora of the Altay. M.F. Yelizar'yeva, Dotsent of the Krasnoyarskiy pedagogicheskiy institut (Krasnoyarsk Pedagogical Institute), spoke on plant life in the east border region of the West Siberian depression. Professor B.A. Tikhomirov discussed the basic problems and objects of study of the plant world and plant resources of the northern-most regions of Siberia.

ASSOCIATION: Biologicheskiy institut Zapadno-Sibirskogo filiala AN SSSR - Novosibirsk (Biological Institute of the West Siberian Branch of AS USSR - Novosibirsk)

1. Scientific research--USSR

Card 2/2

AUTHOR: Krylov, G.V. SOV-26-58-10-16/51

TITLE: The Forests of the Altay (Lesa Altaya)

PERIODICAL: Priroda, 1958, Nr 10, pp 82-85 (USSR)

ABSTRACT: The author discusses the composition and varieties of trees and shrubs found in the Altay forests, which occupy a territory of 350 km by 500 km on the slopes of the Altay Mountains to the South of Biysk. There are 6 photos.

ASSOCIATION: Zapadno-Sibirskiy filial Sibirskego otdeleniya Akademii nauk SSSR - Novosibirsk (The West Siberian Branch of the Siberian Department of the USSR Academy of Sciences - Novosibirsk)

1. Forestry--USSR

Card 1/1

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.

Research in Siberia. Priroda 47 no. 7:114-115 J1 '58. (MIRA 11:8)

1. Biologicheskiy institut Zapadno-Sibirskogo filiala AN SSSR,
Novosibirsk.

(Siberia--Research)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, Georgiy Vasil'yevich; MEN'SHIKOV, P.N., red.; KUKHNO, O.M..
tekhn.red.

[Hidden treasures of forests] Lesnye kladы. Novosibirsk,
Novosibirskoe knishnoe izd-vo, 1959. 56 p.

(MIRA 14:4)

(Siberia--Natural resources) (Forest products)

KRYLOV, G.V.

Forest-type zones of Siberia. Izv. Tomsk. otd. VBO 4:115-149
'59. (MIRA 14:6)

1. Otdel lesa Biologicheskogo instituta Sibirskogo otdeleniya
AN SSSR.
(Siberia—Forests and forestry)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.; KHLONOV, Yu.P.

Conference on the general utilization and reproduction of
Siberian pine forests. Inv.Sib.otd.AN SSSR no.11:105-107
'59. (MIRA 13:4)
(Siberia--Pine)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

NEKRASOVA, Tamara Petrovna; KRYLOV, G.V., red.

[Methods for evaluating and predicting yields from Siberian pine seeds] Metody otseinki i prognoza urozhaya semian kedra sibirskogo. Pod red. G.V.Krylova. Novosibirsk, Izd-vo Sibirskogo otdelenija AN SSSR, 1960. 33 p. (MIRA 15:3)
(Pine)

KRYLOV, Georgiy Vasil'yevich, doktor biolog. nauk; KHLATIN, S.A., red.;
SVETLAYEVA, A.S., red. izd-va; KOZYUSHINA, A.S., tekhn. red.

[Forests of Siberia and the Far East] Lesa Sibiri i Dal'nego Vostoča,
ikh lesorastitel'noe raionirovanie. Moskva, Goslesbumizdat, 1960.
(MIRA 14:12)
155 p.
(Siberia—Forests and forestry)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V., doktor biologicheskikh nauk; VILLER, G.Ye.

Study of trace elements in Siberia. Vest.AN SSSR 30 no.9:
120-121 S '60. (MIRA 13:9)
(Trace elements)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, Georgiy Vasil'yevich; KABANOV, N.Ye., prof., doktor biolog.
nauk, otd.red.; DOBROT, V.F., red. izd-va; KASHINA, P.S.,
tekhn. red.

[Forests of Western Siberia; history of studies, forest types,
zoning, ways of use, and improvements] Lesa Zapadnoi Sibiri;
istoriia izucheniiia, tipy lesov, raionirovaniie, puti ispol'-
zovaniia i uluchsheniia. Moakva, Izd-vo Akad.nauk SSSR, 1961.
253 p. (MIRA 15:1)

(Siberia, Western--Forests and forestry)

KRYLOV, G.V.

M.V. Lomonosov as the founder of Russian science; on the 250th anniversary of his birth. Izv. Sib. otd. AN SSSR no.11:3-11 '61. (MIRA 15:1)

(Lomonosov, Mikhail Vasil'evich, 1711-1765)

LAMIN, L.A.; KRYLOV, G.V., doktor biol.nauk, otv. red.; BUSHUYEVA, V.M.;
red.; OVCHINNIKOVA, T.K., tekhn. red.

[Shelterbelt afforestation in the Kulunda Steppe] Polezashchitnye
lesnye polosy v Kulunde. Otv. red. G.V.Krylov. Novosibirsk,
Izd-vo Sibirskogo otd-niya AN SSSR, 1962. 105 p. (MIRA 16:6)
(Kulunda Steppe--Windbreaks, shelterbelts, etc.)
(Kulunda Steppe--Forest influences)

KRYLOV, Georgiy Vasil'yevich; SOBOLEVSKAYA, K.A., doktor bio. nauk,
prof., otd. red.; PADERIN, G.N., red.; SHMAKOVA, Ye.G., tekhn.
red.

[Forest resources and forest-type zones of Siberia and the Far
East] Lesnye resursy i lezorastitel'noe raionirovaniye Sibiri i
Dal'nego Vostoka. Otv. red. K.A. Sobolevskaya, Novosibirsk,
Izd-vo Sibirsksogo otd-niya AN SSSR, 1962. 239 p. (MIRA 16:3)
(Siberia--Forests and forestry)

KRYLOV, G.V.

Present state and problems in the U.S.S.R. and in foreign
countries. Izv. Sib. otd. AN SSSR no.2:67-80 '62.

(MIRA 16:10)

1. Otdel lesa i lesomelioratsii Biologicheskogo instituta Sibirskogo
otdeleniya AN SSSR, Novosibirsk.

REV. G.V.

Conservation in Siberia and the objectives of scientific institutions. Okhr. priro. Sib. i Dal'. Vost. no.1:7-15 '62.

V.V. Reverdatto, botanist and student of nature of Siberia.
Ibid., 221-223

A needed booklet on forest resources of the U.S.S.R. and
the world. Ibid., 249-251
(MLRA 17:5)

KRYLOV, G.V.; IOGANZEN, B.O.

G.E. Loganzen (1866-1930), the oldest student of local
geography and zoology of Siberia. Okhr. prir. Sib. i Dal'.
Vest. no.1:205-208 '62. (MIRA 17:5)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.

Monograph on the vegetation and forestry of the loess province
of North China. Izv. Sib. otd. AN SSSR no.12:151-152 '62.
(MIRA 17:8)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

ABRAMOVICH, David Iosifovich, doktor geogr. nauk, prof.;
KRYLOV, Georgiy Vasil'yevich, doktor biol. nauk, prof.;
NIKOLAYEV, Vladimir Aleksandrovich, kand. geol.-miner.
nauk; TENOVSKIY, Dmitriy Vladimirovich, kand. biol. nauk;
STRIGIN, V.M., red.; POLOZHENTSEVA, T.S., mlad. red.;
MAL'CHEVSKIY, G.N., red.kart; VILENSKAYA, E.N., tekhn.red.

[West Siberian Plain; a study of its natural history] Zapadno-
Sibirskaya nizmennost'; ocherk prirody. [By] D.I.Abramovich i
dr. Moskva, Geografgiz, 1963. 261 p. (MIRA 16:12)
(West Siberian Plain--Natural history)

KRYLOV, G.V., prof., otv. red.; POLIVIN, G.P., red.; YELISTRATOVA,
Ye.M., tekhn. red.

[Conservation problems of Siberia and the Far East]
Problemy okhrany prirody Sibiri i Dal'nego Vostoka;
trudy. Otv. red. G.V.Krylov. Novosibirsk, Izd-vo Sib-
birskogo otd-niya AN SSSR, 1963. 241 p. (MIRA 17:2)

1. Vsesoyuznoye soveshchaniye po okhrane prirody. 4th,
Novosibirsk, 1961.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.; SOBOLEVSKAYA, K.A.

All-Union Congress of Botanists. Izv. SO AN SSSR no.12. Ser.
biol.-med. nauk no.3:152-153 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V., doktor biol. nauk; GRADOBOYEV, L.D.; YULIN, B.S.;
KABANOV, N.Ye.

Review and bibliography. Izv. SO AN SSSR no.8 Ser. biol.-med.
nauk no.2:150-154 '64 (MIRA 18:1)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V., etv. red.

[Forests in the Gorno-Altaia] Lesa Gornego Altaia. Moskva,
Nauka, 1965. 222 p. (MIRA 18:4)

l. Akademiya nauk SSSR. Sibirskoye otdeleniye. Biologicheskiy institut.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

REVERDATTO, V.V.; KRYLOV, G.V.

Some problems of principle and discussion in studying the
vegetation of Siberia and the Far East. Izv. SO AN SSSR
no.12; Ser. biol.-med. nauk no.3:3-13 '64. (MIRA 18:6)

1. Biologicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk i Tomskoye otdeleniya Vsesoyuznogo botanicheskogo
obshchestva.

KHLOMOV, Yu.P.; KRYLOV, G.V., doktor biol. nauk, prof., otv. red.

[Linden and linden forests in Western Siberia; distribution, silvicultural properties, forest types, artificial plantations] Liuv i lipniaki Zapadnoi Sibiri; rasprostranenie, lesovedstvennye svoistva, tipy lesov, iskusstvennye posadki. Novosibirsk, Red.-izd. otdel Sibirskogo otdnija AN SSSR, 1965. 153 p. (MIRA 18:8)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

PANARIN, Ivan Ivanovich; KRYLOV, G.V., otv. red.

[Types of larch forests in Chita Province] Tipy listvenichnykh lesov Chitinskoi oblasti. Moskva, Nauka, Izd-vo 1965. 102 p. (MIRA 19:1)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G. V., Doc of Agric Sci -- (diss) "Morphology of sweat and sebaceous glands of the skin and their connection with the appraisal of farm and breeding qualities of animals." Moscow, 1957, 31 pp (Moscow Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 37-57, 103)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

Krylov, G.V.

USSR / Farm Animals. Cattle.

Q-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54714.

Author : Krylov, G. V.

Inst : Not given.

Title : The Morphological Structure of the Cutaneous
Glands and the Estimation of Cattle.

Orig Pub: Vestn. s.-kh. nauki, 1957, No 4, 83-97.

Abstract: The cutaneous glands (sweat and sebaceous g.) of 163 cows of the Kholmogory breed and 70 cows of the Black-Spotted Oka cattle (of different ages) were investigated. An interdependence was established between the development of the sweat glands and the type of constitution and the productiveness, which permits to make a preliminary evaluation of the cattle. In cows which yield a higher fat content in the milk, the sebaceous glands are larger and the

Card 1/2

USSR / Farm Animals. Cattle.

Q-2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820016-8

Abstract: secretory functions are comparatively more marked. The evaluation of a group of producers of the Kholmogory cattle, which was carried out in relation to the offspring, both as regards the productiveness of daughters and the degree of development of the sweat glands in their skin, confirmed the interdependence of the productiveness and the interior indexes.

Card 2/2

Q-2

USSR / Farm Animals. Cattle

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54713.

Abstract: chest depth 70 cm.) possessed the first structural type of the sweat glands, characterized by large dimensions (width of glandular tubules 140 μ , length 850 μ) and having an appearance of broad, long, sometimes ramified, tubules. In medium-producing cows with a milk yield of 4,500 kg. and live weight of 450kg. (height at withers 127 cm.,) transverse length 155 cm., chest depth 68 cm.), the width of the glandular tubules was 100 μ , length 820 μ . The tubules were wide, coiled, and usually ramified. The low-producing cows with a milk yield of 3,000 to 3,500 kg. and live weight of 450 kg. (height at withers 120 cm., transverse length 151 cm., chest depth 66 cm.) were characterized by the third structural type of sweat glands (narrow, coiled, mostly ramified tubules, 80 μ wide and

Card 2/3

USSR / Farm Animals. Cattle

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54713.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826820016-8

Q-2

Abstract: 750 μ long). It is recommended to take into account the structural type of the sweat glands as a supplementary method in the estimation of the producing and breeding properties of dairy cattle.

Card 3/3

COUNT : 1
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, No.
AUTHOR :
INST. :
TITLE :

ORIG. PUB. :
ABSTRACT : author's opinion, a sire produces poor progeny
if the intervals between his matings are long,
whereas for short intervals the reverse holds
true. -- K. M. Lyutikov

Card: 2/2

ABRAMOVICH, D.I., prof., otv. red.; KOLOBKOV, M.N., red.; KOMLEV, A.M.
red.; KRYLOV, G.V., red.; POPOLZIN, A.G., red.

[Water resources of Western Siberia] Vodnye resursy Zapadnoi
Sibiri. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1964.
96 p.
(MIRA 18:11)

1. Geograficheskoye obshchestvo SSSR. Novosibirskiy otdel.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

TYUMENTSEV, N.P.; KRYLOV, G.V.

Reviews and bibliography. Izv. SO AN SSSR no.4 Ser. Biol.-med.nauk
no.1:150-153 '65.
(MIRA 18:8)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.; KULIKOV, M.I.; BAEK, E.H.

Reviews and bibliography. Izv. SO AN SSSR no.8. Ser.biol.-med.
nauk no.2:175 '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

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ACCESSION NR: AP5024175

UR/0290/65/000/002/0111/0119
633.88.03+615.32

AUTHOR: Zotova, M. I.; Krylov, G. V.; Saratikov, A. S.

TITLE: Golden root - a new stimulant and adaptogenic drug

SOURCE: AN SSSR. Sibirskaya otdeleniya. Izvestiya. Seriya biologo-meditsinskikh nauk, no. 2, 1965, 111-119

TOPIC TAGS: plant growth, pharmacognosy, experimental animal, nervous system drug, drug effect, bodily fatigue, psychophysiology, Eleutherococcus, Rhodiola rosea

ABSTRACT: Rhodiola rosea (golden root) is described in detail and its pharmacological effects are compared with those of Eleutherococcus. Literature data on the effects of Rhodiola rosea are contradictory, largely because of different drying and extraction methods. In the present study, Rhodiola rosea roots gathered in the Altai region were dried at 60° and extracted by a repercolation method using the following as solvents: 0.5% aqueous chloroform, 20° ethyl alcohol, 40° ethyl alcohol, and 70° ethyl alcohol. The stimulant effect of the extract was determined by changes in the lengths of time white mice were able to cling to a vertical rod before and after administration of the extract. Findings show that all the root extracts reduce body fatigue, but to different degrees: the 40° alcohol extract by

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350%, the 20° alcohol extract by 99%, the aqueous chloroform extract by 95%, and the 70° alcohol extract by 51%. The antihypnotic effect of Rhodiola rosea extract was investigated in white mice by injecting it subcutaneously 1 hr before administering medicinal (0.15 mg/g dose). Rhodiola rosea extract did not change the time elapsed before the animal fell asleep, but did reduce the duration of sleep considerably. The sleep period was reduced by 64 min by the 40° alcohol extract, and by 21 to 28 min by the other extracts. In testing the adaptogenic effects of Rhodiola rosea, the extract was found comparable to Eleutherococcus and other adaptogens in inhibiting the development of certain pathological hematological reactions. Considering the similarity of the stimulant and adaptogenic effects of Rhodiola rosea and Eleutherococcus, and the abundance of Rhodiola rosea in the USSR (Altai, Urals, Irkutsk, Zabaykal, Primorskiy Kray, Kamchatka, and Chukhotsk Peninsula), Rhodiola rosea liquid extract is recommended for widespread clinical testing. Orig. art. has: 5 figures and 3 tables. ([06])

ASSOCIATION: Tomskiy meditsinskiy institut (Tomsk Medical Institute), Biologicheskiy institut SO AN SSSR, Novosibirsk (Biological Institute, SO AN SSSR) 55

SUBMITTED: 01Mar64

ENCL: 00

SUB CODE: LS

NO REP SOV: 010
Card 272 mlo)

OTHER: 000

ATD PRESS: 4115

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CIA-RDP86-00513R000826820016-8

KRYLOV, G.V.

Precision and reliability in analyzing the samples of prospecting.
Izv. AN Kazakh. SSR. Ser. geol. 21 no.4:84-90 Jl-Ag '64. (MIRA 17:11)

1. Ministerstvo geologii i okhrany nedor KazSSR, Alma-Ata.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, German Vsevolodovich; KHVOSTOVA, D.M., red.; ANDREYEVA, L.S.,
tekhn.red.

[The furious ones are not forgotten] Neistovykh ne zabyvaiut.
Moskva, Profizdat, 1963. 78 p.

(Tatar A.S.S.R.--Petroleum workers)

(MIRA 16:6)

KRYLOV, I., dotsent; DULOV, A., kandidat yuridicheskikh nauk.

D.I.Mendeleev's share in investigating the self-ignition of yarn
and silk. Posh.delo 3 no.1:8-9 Ja '57. (MLRA 10:4)
(Mendeleev, Dmitrii Ivanovich, 1834-1907)

USSR/Medicine - Health service

F - 1923

Krylov, I. A.
Card 1/1 Pub 102-4/12

Author : *Krylov, I. A.

Title : Practical organization of therapeutic service in an oblast (kray)

Periodical : Sov. zdrav., 1, 20-24, Jan-Feb, 1955

Abstract : The author of this article stated that therapeutic service in many oblasts (krays) are not organized in a very practical way; various branches of therapeutic service are not well integrated. Oblast (kray) departments of health receive very little guiding material from the Ministry of Health USSR, such as instructions, regulations, statistics, and reports. The author recommends creation of a practical methodical commission within the medical councils of those oblast (kray) health departments which do not have an oblast (kray) hospital. Work loads of general practitioners in cities and villages must be reduced if the entire structure of therapeutic and preventive aid to the population is to remain effective.

Institution: (*Chief Therapeutist) Tomskaya Oblast Health Department

Submitted : September 28, 1954

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.A. (Moskva); CHERNOUS'KO, F.L. (Moskva)

Method of successive approximations for the solution of problems
of optimum control. Zhur.vych.mat.i mat.fiz. 2 no.6:1132-1139
N-D '62. (MIRA 15:11)
(Automatic control) (Approximate computation)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRASIL'NIKOV, A.P.; IZRAITEL', N.A.; KRYLOV, I.A.; KLYAVZUNIK, N.Yu.

Reaction of passive hemagglutination in the diagnosis of
scleroma. Lab. delo no.9:537-539 '64. (MIRA 17:12)

1. Kafedra mikrobiologii (zaveduyushchiy - dotsent A.P.
Krasil'nikov) Minskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

ACC NR: AP6011354

SOURCE CODE: UR/0208/66/006/002/0203/0217

AUTHOR: Krylov, I. A. (Moscow); Chernous'ko, F. L. (Moscow)

ORG: none

TITLE: Solution of optimal control problems by the method of local variations

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 2, 1966, 203-217

TOPIC TAGS: optimal control, machine language

ABSTRACT: An algorithm is described for the numerical solution of problems of optimal control by the method of local variations (cf. article by co-author Chernous'ko in *Zh. vychisl. matem. i matem. fiz.*, 1965, 5, No. 4, 749-754). The results of the numerical solution of a number of variation problems are introduced to show the effectiveness of the method. A computer algorithm of the method of local variations is given in ALGOL-60 language. The control process is described by the equation

$$\dot{x} = f(t, x, u). \quad (1.1)$$

where t is an independent variable (time), x is the phase coordinate vector, u is the control function vector, and f is a vector function. The time of the process is con-

UDC: 518:51:62-50

Card 1/2

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ACC NR: AP6011354

sidered fixed; the beginning is designated as $t=0$, the end as $t=T$. A phase trajectory is sought, along with the corresponding control, to satisfy (1.1), to meet the conditions

$$x(t) \in G(t), \quad u(t) \in U(t, x) \quad (0 \leq t \leq T).$$

here G and U are variable closed regions of n - and m -dimensional spaces, respectively; and to minimize the functional

$$J = \int_0^T f_0(t, x, u) dt.$$

Orig. art. has: 8 figures, 2 tables.

SUB CODE: 12/ SUBM DATE: 10Jun65/ ORIG REF: 004

Card 2/2 20

SURMELI, D.D., kand.tekhn.nauk; MAR, Ch.D., inzh.; LEVCHENKO, G.I., inzh.;
KRYLOV, I.F., inzh.; LESNYKH, M.V., inzh.

"Poroizol" is a material for packing joints. Stroi. mat. 7 no.9:
31-32 S '61.
(Rubber, Synthetic)

KRYLOV, I.P.; DULOV, A.V.

Participation of D.I. Mendeleev in the publication of a manual on
legal chemistry; on the one hundred twenty-fifth anniversary of his
birth. Sud.-med.ekspert. 2 no.3:36-40 Jl-S '59. (MIRA 13:4)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova
i Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.
(MENDELEEV, DMITRII IVANOVICH, 1834-1907)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

MUROVANNYY, Yu.G., gvardii kapitan med.sluzhby; KRYLOV, I.Y., gvardii kapitan med.
sluzhby

Prevention of epidemic parotitis. Voen.-med.zhur. no.11:78 N '57.
(MUMPS) (MIRA 11:4)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.I.

Gantry cranes or crane-loaders. Mekh.trud.rab. 9 no.10:33-34
0 '55. (Cranes, derricks, etc.) (MLRA 9:1)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.I.

Automatic production line for the manufacture of windows and doors.
Sbor. mat. o nov. tekhn. v stroi. 17 no.5:29-32 '55. (MLRA 8:6)
(Doors) (Windows)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, I.I.

Organize centralized sawmills for supplying Moscow. Gor. kholz. Mosk.
31 no.3:17-18 Mr '57. (MLRA 10:4)
(Sawmills) (Lumber--Transportation)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.I.

Cleaning dust and soot from bricks. Rats. 1 izobr. predl. v
stroi. no.5:44-45 '58. (MIRA 11:6)

I.Glavnyy mekhanik Alma-Atinskogo kirkhnogo zavoda No.3.
(Brickmaking)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, I.N.

Electric pusher used in tunnel kilns. Rats. i izobr. predl. v strol.
no.5:41-43 '58. (MIRA 11:6)

1.Glavnyy mekhanik Alma-Atinskogo kirkichnogo zavoda No.3.
(Kilns)

GOV-11-58-10-5/12

AUTHORS: Heller, B.M., Krylov, I.N. and Ye.V. Negrey

TITLE: Paleozoic Formations of the Western Part of the Balkhash Region near the Village of Mynaral (Paleozoic Zapadnogo Pribalkhash'ya v rayone poselka Mynarala)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 10, pp 56 - 71 (USSR)

ABSTRACT: The strata of Paleozoic formations observed in the western part of the Balkhash Region contain numerous fossils of paleolithic fauna and flora which exactly determine the age of the different layers and their relation to various epochs of the Paleozoic era. Study of the cross section showed that after the initial sagging of Archeian gneisses and granites and the formation of a Proterozoic-Cambrian series of sand-schist rocks, a general elevation of the region occurred, and it was subjected to an important pre-Ordovician erosion. In the Ordovician system, deposits of Llanvirnian, Llandeilo and Caradoc stages were identified by fossilized fauna. In the same way deposits of the Silurian system were identified as belonging to Liandoverian, Wenlock and Ludlow stages. In some parts of the region, Taranconian shales were also found. In general, the Silurian system is represented by volcanogenous-fragmental and

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Paleozoic Formations of the Western Part of the Balkhash Region near the
Village of Mynaral

SOV-11-58-10-5/12

reef facies. The Devonian volcanogenous system of the region is represented by three lenticular rock formations, belonging respectively to the Lower, Middle and Upper Devonian system. The following Carboniferous system is represented by layers of conglomerates and tuffs, identified as usual by fossilized fauna. These layers are covered by layers of sandstones and aleurolites. Intrusive bodies of various age found in the Mynarala region belong mainly to three groups: Archeian granites and gneisses, Caledonian tonalites and early-Hertsynian granites. The following geologist and paleontologists are mentioned for their research in this field: Yakovlev, D.I. [Ref. 6]; A.M. Beleyayev, A.Ye. Repkina, V.N. Veber [Ref. 2]; O.I. Nikiforova [Ref. 6]; P.I. Stepanov [Ref. 8]; L.B. Rukhin [Ref. 7]; V.S. Koptev-Dvornikov; L.V. Dmitriyev, A.V. Kozlov, Ye.V.

Card 2/3

Paleozoic Formations of the Western Part of the Balkhash Region near the
Village of Mynara! SOV-11-58-10-5/12

Negrey; V.A. Pavlov; O.P. Kovalevskiy; V.A. Sytov;
M.N. Chugayev; B.M. Keller Ref. 37; A.M. Obut; T.B.
Rukavishnikova; V.A. Khakhlov Ref. 27; G.R. Shishkina.

SUBMITTED: June 21, 1957

ASSOCIATION: Geologicheskiy Institut AN SSSR, Moskva (The Institute of
Geology of the AS USSR, Moscow)

1. Geology--USSR 2. Paleoecology--Analysis 3. Geological time
--Determination

Card 3/3

3 (5)

AUTHOR: Krylov, I. N.

807/20-126-6-46/67

TITLE: On the Stromatoliths of the Riffian of the Urals (O stromatolitakh Ural'skogo rifeya)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol. 126, Nr 6, pp 1312 - 1315
(USSR)

ABSTRACT: In recent years, a number of Soviet and foreign papers has been published on the stratigraphical importance of the stromatoliths (Refs 1,4,6,8,9,14). From the analysis of these papers it may be concluded that the latter may be utilized as guide fossils at least at regional stratigraphical investigations. There is justifiable hope of its being used also for more far-reaching correlations. In 1939 V. P. Maslov succeeded in proving by means of the Ural stromatoliths that their complexes from different horizons differ from one another, and furthermore, that those in the Urals are similar to those of the Cambrian and Precambrian of Siberia and China. The author collected in the years 1956 - 57 stromatoliths from the following ground sections of the Riffians of the Urals: I) the lowest Burzyanskaya series, II) the middle Yurmatinskaya, and III) the topmost Karatavskaya series. Special attention was

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On the Stromatoliths of the Riffian of the Urals SOV/20-126-6-46/67

paid to the origin of the samples of individual series and there is no doubt about their belonging to this or that suite. Only the shape of the stromatoliths could be investigated because the chalk and the dolomite of which they consist were considerably recrystallized. The stratigraphy of the Riffian sediments is generally known. The Ashinskaya series is added to the 3 already mentioned series (Refs 2,3,5). The stromatoliths are bound to the carbonate horizon of the upper part of the first 3 series. Within the said series stromatoliths are described and illustrated (Fig 1) according to suites (I. Satskaya, Bakal'skaya with: Lower Bakal'skiy, middle Bakal'-skiy, upper Bakal'skiy and Balandikhinskiy horizons; II. Avzyanskaya suite and III. Min'yarskaya suite). Each of the 3 series is characterized by its own certain stromatolith complex. A similar distribution of stromatoliths in the cross section of the Riffian sediments can be noticed also in other regions (Refs 2,4,11-13,15). Consequently the stromatoliths have a stratigraphical importance for the Riffian sediments of the eastern and northern edge of the Russkaya (Russian) platform. The collections of M. Ye. Raaben from Timan and that of B. M. Keller from Kil'din of the upper Precambrian horizon are re-

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On the Stromatoliths of the Riffian of the Urals SOV/20-126-6-46/67

presented by species which can be compared to the stromatoliths of the Karatavskaya series in the Urals. There are 1 figure and 15 references, 8 of which are Soviet.

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR (Geological Institute of the Academy of Sciences, USSR)

PRESENTED: January 16, 1959, by N. S. Shatskiy, Academician

SUBMITTED: January 10, 1959

Card 3/3

3 (5), 17 (4)

AUTHOR: Krylov, I. N.

SOV/20-127-4-46/60

TITLE: Rephean Stromatolites of the Kil'din Island

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 4, pp 888-891 (USSR)

ABSTRACT: Towards the end of 1958 stromatolite samples collected by B. M. Keller on the Kil'din Island (north Murman oblast') were investigated at the institute mentioned in the Association. Keller and B. S. Sokolov single out a Kil'dinskaya series consisting of quartz and glauconite sandstones with subordinate packages of dark slate and interlayers of bluishgrey dolomites. The series is limited on top by red phyllites and aleurolites. Stromatolites form loaf-shaped bichermes (diameter: 5-7 m, height: 2 m) in the dolomite strata. The properties and distribution of the stromatolites of the type Collenia (Refs 1, 4, 7-10, 12, 13) are described. Their extensive distribution and their connection with certain levels should cause the scientists to give them a closer examination in order to explain their stratigraphic importance more precisely. Unfortunately, the rocks stromatolites consist of are usually considerably recrystallized so that no cell structures remain. Therefore the shape of the stromatolite structure has to be

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Rephem Stromatolites of the Kil'din Island

SOV/20-127-4-46/60

considered in the first place. Since occasional cuts as well as longitudinal and transverse sections of stromatolites render the entire shape of the structure inaccurately and schematically the method of the numerous parallel serrate cuts is applied at present. This method showed that the prismatic shape of stromatolites varies very much (Fig 2). Figure 1 shows the varieties of Ciliata bivalvula Mass. Then this variety is described. Table 1 shows the results of a carbonate analysis carried out by E. S. Zalmanzon; she analyzed prisms and interlying rocks separately. Terrigenous material (insoluble residue) is prominent in the interlying rocks as compared with the prisms. The prisms obviously rose above the bottom of the water and were not buried by clastic material. The ramification on different levels was not the result of changed conditions in the water but was a criterion of the algal complex which formed the stromatolites. In conclusion, the variability is discussed, a comparison made with related forms (Ref 13), and the locality and the age discussed (see title). There are 2 figures, 1 table, and 13 references, 9 of which are Soviet.

Card 2/3

Rephean Stromatolites of the Kil'din Island

SOV/20-127-4-46/60

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR (Geological Institute
of the Academy of Sciences, USSR)

PRESERNTED: April 4, 1959, by N. S. Shatskiy, Academician

SUBMITTED: April 4, 1959

Card 3/3

KRYLOV, I.N.

Development of branching columnar stromatolites in the Riphean
of the Southern Urals. Dokl.AN SSSR no.4:895-898 Je '60.
(MIRA 13:5)

1. Geologichesk'y institut Akademii nauk SSSR. Predstavлено
академику N.S.Shatskym.
(Ural Mountains--Algae, Fossil)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.N.

Granitoids in the Sayan complex of the Gutar-Agul' area (Eastern
Sayan Mountain region). Trudy Lab. geol. dokem. no.11:78-92 '60.
(MIRA 14;1)
(Sayan Mountain region--Granite)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.N.

Garnets from upper Proterozoic granites in the western part of the
Eastern Sayan Mountains. Vest. IgU 15 no.6:88-92 '60.

(Sayan Mountains--Garnet)

(MIRA 1):3)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KHLOV, I.N.

Structural position and internal structure of massifs of basic
rocks in Gutar-Agul region (Eastern Sayan Mountains). Vest. MGU
15 no.12:146-149 '60. (MIRA 13:6)
(Sayan Mountains--Geology)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KELNER, B.M.; KAZAKOV, G.A.; KRYLOV, I.N.; MUZHENOV, S.V.; SEMIKHATOV, N.A.

New stratigraphic data on the Riphaeus group (upper Proterozoic).
Izv. AN SSSR. Ser. geol. 25 no.12:26-41 D '60. (MIRA 13:11)

1. Geologicheskiy institut AN SSSR, Moskva.
(Ural Mountains—Geology, Stratigraphic)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KOFELIOVICH, A.V.; KAYLOV, I.N.

Solution structures in stromatolites. Dokl. Akad. Nauk SSSR 135 no.3:686-
689 N 1960.
(MFA 13:12)

1. Geologicheskiy institut Akademii nauk SSSR. Predstavлено akad.
N.M. Strakhovym.
(Ural Mountains—Stylolites)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.N.

Principles of the classification of Riphean stromatolites. Biul.
MOIP.Otd.geol. 36 no.6:118 N-D '61. (MIRA 15:7)
(Algae, Fossil)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KOROLEV, V.G.; KRYLOV, I.N.

Stratigraphy of the Upper Pre-Cambrian of northern Tien Shan.
Dokl. AN SSSR. 144 no.6:1334-1336 Je '62. (MIRA 15:6)

1. Institut geologii Akademii nauk Kirgizskoy SSR i Geologicheskiy
institut Akademii nauk SSSR. Predstavлено akad. A.L.Yanshinym.
(Tien Shan--Geology, Stratigraphic)

KRYLOV, Igor' Nikolayevich; RAAZEN, M.Ye.; KOTLYAREVSKAYA, P.S., red.izd.-va; OOLUB', S.P., tekhn.red.

[Cylindrical branching stromatolites in Riphean sediments of the Southern Ural Mountains and their significance for the Upper Pre-Cambrian stratigraphy.] Stolbchatye vetyashchiesia stromatolity rifeiskikh otlozhenii IUzhnogo Urala i ikh znachenie dlja stratigrafii verkhnego dokembrija. Moskva, 1963. 132 p.
(Akademija nauk SSSR. Geologicheskii institut, Trudy, no.69).

(MIRA 17:2)

KHLOV, I. N.

Dissertation defended for the degree of Candidate of Geologo-Mineralogical Sciences at the Joint Academic Council on Geologo-Mineralogical, Geophysical, and Geographical Sciences; Siberian Branch

"Columnar Branching Stromatoliths of the Ledge [rifeyskiye] Deposits of the Southern Urals and Their Importance for the Stratigraphy of the Upper Precambrian."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

Bogolyubov, V. I.; Fridman, L. M.; V. I. Ponomarev, R. A.; G. T. Tikhonova, V. Ya.,

Basic characteristics of the development of the Western Sayan
Mountain mobile group. Truly lab. report. Taken on 12:17-12:51 A.M.
(KGBA 17:8)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

MIKITINA, L. A.; KHOLOSTYK, V. Y.; MITROKHIN, P. S.; ZHURAVLEV, I. N.

Rejuvenation in the different ages of the Pre-Cambrian rocks
in the Eastern Sayan Mountains. Faculty Lab. Geol. Sochi. no. 19;
219-223 '64
(MIRA 17:3)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYMOV, I.N.

First All-Union Colloquium on Pre-Cambrian Stromatolites, Oncolites,
and Catagraphs. Izv. AN SSSR. Ser. geol. 29 no.10:142-143 C 16.
(MIRA 17:11)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, I.N.; ZHIRAVLEVA, Z.A.

Finds of problematic organic remains in ancient formations
of northern Kazakhstan. Dokl. AN SSSR 156 no. 2,322-323
Mys '64. (MIKA 1717)

I. Geologicheskiy institut AN SSSR. Predstavleno akademikom
A.P.Vinogradovym.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

SHUKOLYUKOV, Yu.A.; KRYLOV, I.N.; TOLSTIKHIN, I.N.; OVCHINNIKOVA, G.V.

Tracks of the fission fragments of the uranium in muscovite.
Geokhimiia no.3:291-301 Mr '65.
(MIRA 18:7)

1. Laboratory of Geology of the Precambrian, Academy of Sciences
of the U.S.S.R., Leningrad.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KELLER, B.M.; KOROLEV, V.G.; KRYLOV, I.N.

Division of the Upper Proterozoic of the Tien Shan. Izv. AN SSSR.
Ser. Geol. 30 no.4:101-115 Ap '65.

1. Geologicheskiy institut AN SSSR, Moskva.

(MIRA 18:4)

L 02194-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR AP6032460

SOURCE CODE: UR/0056/86/051/003/0740/0745

AUTHOR: Krylov, I. P.; Gantmakher, V. F.

48
46
B

ORG: Institute of Physical Problems, Academy of Sciences SSSR (Institut fizicheskikh problem Akademii nauk SSSR); Institute of Solid State Physics, Academy of Sciences SSSR (Institut fiziki tverdogo tela Akademii nauk SSSR)

TITLE: Radio-frequency size effect at the limiting point in indium 17

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 3, 1986,
740-745

TOPIC TAGS: indium, magnetic field, frequency size effect, Fermi surface curvature, electron model, almost free electron, electron mean free path

ABSTRACT: The curvature of the Fermi surface of indium near the [111] direction was measured by means of the radio frequency size effect at the limiting point in an inclined magnetic field. The experimental value of the curvature is identical with that yielded by the almost-free electron model. A study of amplitude dependence of the size effect lines showed the electron mean free path to be a function

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L 02194-67

ACC NR: AP6032469

of temperature. The thickness of the skin layer was determined on the basis of size effect line width, and on its dependence upon the frequency. The authors thank Academician P. L. Kapitsa for making their work possible, and Yu. V. Sharvin for discussing results of their research. Orig. art. has: 5 figures, and 2 formulas. [Based on authors' abstract]

SUB CODE: 20 / SUBM DATE: 23Mar86 / ORIG REF: 009 / OTH REF: 003 /

Card 2/2 left

KRYLOV, I.P.

Relation between the real and imaginary parts of surface
impedance due to the size effect. Pis'. v red. Zhur.
eksper. i teoret. fiz. 1 no.4:24-29 My '65. (MIRA 18:11)

1. Institut fizicheskikh problem AN SSSR. Submitted
April 14, 1965.

KRYLOV, I.P.; LOKSHINA, I.V., insh.

Modernization of silk throwing machines. Tekst.prom. 19
no.2:77 F '59.
(MIRA 12:5)

I. Glavnnyy mekhanik Ust'inskoy shelkokrutil'noy fabriki (for
Krylov).
(Spinning machinery)

REF ID: A25001835

DATE: 1973/04/21 11:00:00

SANTMAYER, V. P., R. J.

SIZE EFFECT IN IODIUM ON HELICAL TRAJECTORIES IN AN INCLINED MAGNETIC FIELD

JOURNAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 5, 1964,

ABSTRACT: In high-purity iodine single crystals, near 100%, several surface, electron trajectory

ABSTRACT: The size effect at radio frequencies was observed in high-purity iodine single crystals with the experimental set-up described by Santmayer (JETP, v. 47, no. 5, 1964). The size effect was observed in iodine single crystals with sizes ranging from 0.1 to 1.0 mm. The size effect was observed between two parallel electrodes, which were connected to a voltage regulator. The size effect was observed in iodine single crystals with sizes ranging from 0.1 to 1.0 mm. The size effect itself and the splitting of the size-effect lines were measured for several samples with different orientations. The splitting of the

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L-1574-65

ACCESSION NR: AP5001835

7

when the field is inclined several degrees to the sample surface can be explained as being due to the drifting of electrons in external non-uniform fields of the Fermi surface, which is tilted relative to the surface plane. Thus, the driving force of the current is the difference between the potential of the surface and the potential of the Fermi surface. This effect has been observed by many authors, and it is now well known. The theory of the effect was developed by V. G. Smirnov, A. A. Abrikosov, and others, and it is based on the consideration of central and non-central moments, thus allowing the shape of the Fermi surface to be taken into account. Academician P. L. Kapitza and his co-workers have also made important contributions to the theory of the effect.

EDITION: Institut fizicheskikh problem Akademii Nauk SSSR - Institute of Physics Problems, Academy of Sciences, USSR. Institute of Physics Problems, Academy of Sciences, USSR. Institute of Physics Problems, Academy of Sciences, USSR

02

EMCL. 001

SUBJ CODE: 3K 4P

Card 612

OTHER. 004

ATD PRESS: 3172

Fig. 4. Effect between ten and forty minutes.

Изучение экспериментальной гидравлики. Учебное пособие. Ученые записки. Вып. 1. № 1. 1966.

Magnetic effect of electric current

Effect of surface treatment on
magnetic susceptibility

1. *Principles of the external side of the law.*

ACCESSION NR: AP5014225

length of the specimen, and the number of the specimen.

Y = 1.650V - 36.6

OTHERS

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

L 8875-66 EWT(m)/EWP(b)/EWP(t) IJP(c) JD

ACC NR: AP5026594

SOURCE CODE: UR/0056/65/049/004/1054/1067

47

B

AUTHOR: Gantmakher, V. F.; Krylov, I. P.

ORG: Institute of Solid State Physics, Academy of Sciences, SSSR (Institut fiziki tverdogo tela Akademii nauk SSSR); Institute of Physical Problems, Academy of Sciences SSSR (Institut fizicheskikh problem Akademii nauk SSSR)

TITLE: Radio-frequency size effect in indium 1

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 4, 1965, 1054-1067

TOPIC TAGS: semiconductor, Fermi surface, indium, free electron model, free electron, magnetic field

ABSTRACT: The Fermi surface in In is investigated by the radio frequency size effect technique at a frequency of 3 Mc/s. Identification of the experimental cross sections was made using the dependence of the size effect lines on the inclination of the magnetic field relative to the sample's surface. The complex shape of the isoenergetic surface in the second band resulted in the appearance of a number of size effect lines due to the presence of breaks in the electron trajectories in a magnetic field. These lines are not related to the electromagnetic field bursts within the metal but to less notable features of the field distribution between the bursts. The set of lines associated with the Fermi surface of the second band confirms the fact that this surface is very similar to that predicted by the almost free electron model.

Card 1/2

L 8875-66

ACC NR: AP5026594

No lines have been observed which would indicate that the Fermi surface may be open. It also follows from the experimental data that the Fermi surface in the third energy band consists of tubes connected into rings, the axes of the tubes being oriented along (110). The shape of the central cross section of the tube produced by intersection with a plane perpendicular to the tube axis was determined by using several samples with different directions of the normals. No lines have been observed which would indicate the existence of tubes with axes parallel to (101). Orig. art. has: 14 figures.

O

(CS)

SUB CODE: 20/ SUBM DATE: 21May65/ ORIG REF: 011/ OTH REF: 006/ ATD PRESS:

4152

Card 2/2 rds

KOLESNICHENKO, D.A.; NEFEDOV, N.A.; KRYLOV, I.S.

Practical use of textelite fillers in the repair of worn-out
machine components. Stan.1 instr. 26 no.12:14-17 D '55.
(Machine tools)

(MLRA 9:2)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

YUDIN, Ye.P.; KRYLOV, I.S.

Using telephotometers in measuring contrasts of landmarks from
airplanes. Opt.-mekh.prom. [25] no.3:9-12 Mr '58. (MIRA 11:9)
(Aerial photogrammetry)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KIVLOV, I. V.

"Automatic Brakes for Locomotives," published by State Transportation and Railway Publications, Moscow, 1952.

D 74094

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8

KRYLOV, I.V.

Replies to readers' questions. Geod.i kart. no.6:75-77 Ag '56.
(MLRA 9:11)
(Surveying--Instruments)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826820016-8"

KRYLOV, IV

卷之三

KRYLOV, I. V.

"Analytical Method for the Determination of Position- and Altitude Traverse Stations".

report presented at a Conference of the Chief Engineers and Directors of the Technical Control of Aerial Surveying Enterprises, Moscow Central Bureau of Surveying and Cartography, Min. of Interior USSR.
(Geodesiya i kartografiya, 1958, no. 6, 77-78)

Mbr. of the staff of: GUKK

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KRYLOV, J., doc. BUTORAC, Milan [translator]

The cosmic Columbus is our contemporary. Zemlja i svemir 6
no.1:9-11 '63.

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AUTHOR: Auleytner, Julian—Auleytner, Yu; Krylow, Janusz—Krylov, Ya.;
Psoda, Marek; Szarras, Stanislaw—Sharras, S.

ORG: [Auleytner, Krylow] Institute of Physics, Polish Academy of Sciences, Warsaw; [Psoda] Institute of Experimental Physics, Warsaw University, Warsaw; [Szarras] Department of Nuclear Physics, Institute of Nuclear Research, Swierk

TITLE: X-ray studies of neutron bombardment influence on the real structure of germanium

SOURCE: Nukleonika, v. 11, no. 6, 1966, 393-398

TOPIC TAGS: germanium, germanium single crystal, crystal structure analysis, neutron irradiation, irradiation effect, neutron bombardment, crystal dislocation, plastic deformation

ABSTRACT: An investigation was made of the dislocation distribution and density in undeformed and plastically deformed germanium single crystals before and after irradiation with a fast neutron dose of about 2×10^{19} neutrons/cm². Four Ge single crystal specimens were used. The specimens were mechanically cut along the (111) plane, polished, and etched. The initial dislocation density in specimens

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Ge-1 and Ge-2 was about $10^3/\text{cm}^2$. Specimens Ge-3 and Ge-4 were plastically deformed by bending at 600°C. Ge-4 was then flattened at 600°C. A microfocus x-ray tube and a camera with oscillating crystal and film were used. For each specimen a set of photographs was taken before irradiation and after irradiation. No changes in dislocation density were observed in undeformed Ge-1 and Ge-2 specimens. This was probably due to the fact that the method used made it possible to determine the dislocation density only above 10^4 to 10^5 dislocations/ cm^2 . In specimens Ge-3 and Ge-4 the mean disorientation of surface elements and the mean size of the blocks appearing during plastic deformation were not changed (they were 30 to 40 sec of arc and about 50 μ , respectively). The dislocation density within the biggest blocks increased slightly. Both increases and decreases were observed in the disorientation angle between blocks after neutron irradiation. However, the mean value of changes shows a small increase in disorientation. The changes observed in the disorientation angle are attributed to the introduction of Brinkman's displacement spikes in the germanium single crystals during irradiation. These spikes are described as regions with a lattice configuration differing from that of the surrounding material. It is possible that the vacancies created during irradiation migrate to the block boundaries and that a change of disorientation between neighbouring blocks occurs in the annihilation process. The authors thank Professor B. Buras for his valuable remarks, Dr. I. Bedynska for discussions, and R. Stojanowski for technical assistance. Orig. art. has: 3 formulas, 3 figures, and 1 table. [JA]

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KRYLOV, K.; KARMANOVA, L.; EMERSON, S.

Liquids for washing airplanes. Grashd.av.13 no.7:22 J1 '56. (MLRA 9:9)
(Airplanes--Maintenance and repair)

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KRYLOV, K., inshener; SHUMELISHSKIY, M., inshener.

Ejector-type refrigerating machine for general use. Khol.tekh.
31 no.3:16-22 J1-8 '54. (MLRA 7:9)
(Refrigeration and refrigerating machinery)

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KRYLOV, K. A.

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MERTSAIOV, VLADIMIR SERGEYEVICH

LUDIN, L.

Klassedovaniyu Problem Psichologicheskoy Voyny (Concerning the Problem of Psychological Warfare, by) Sbornik Statey. V. S. Mertsalov, K. Krylov i L. Ludin. Myunkhen, Iatkult, 1955.

132 p.

Summaries in English, French and German.

At Head of Title: Institut Po Izucheniyu Istorii i Kul'Tury SSSR.